

BORDER REV. DATE: JUNE 1, 2004

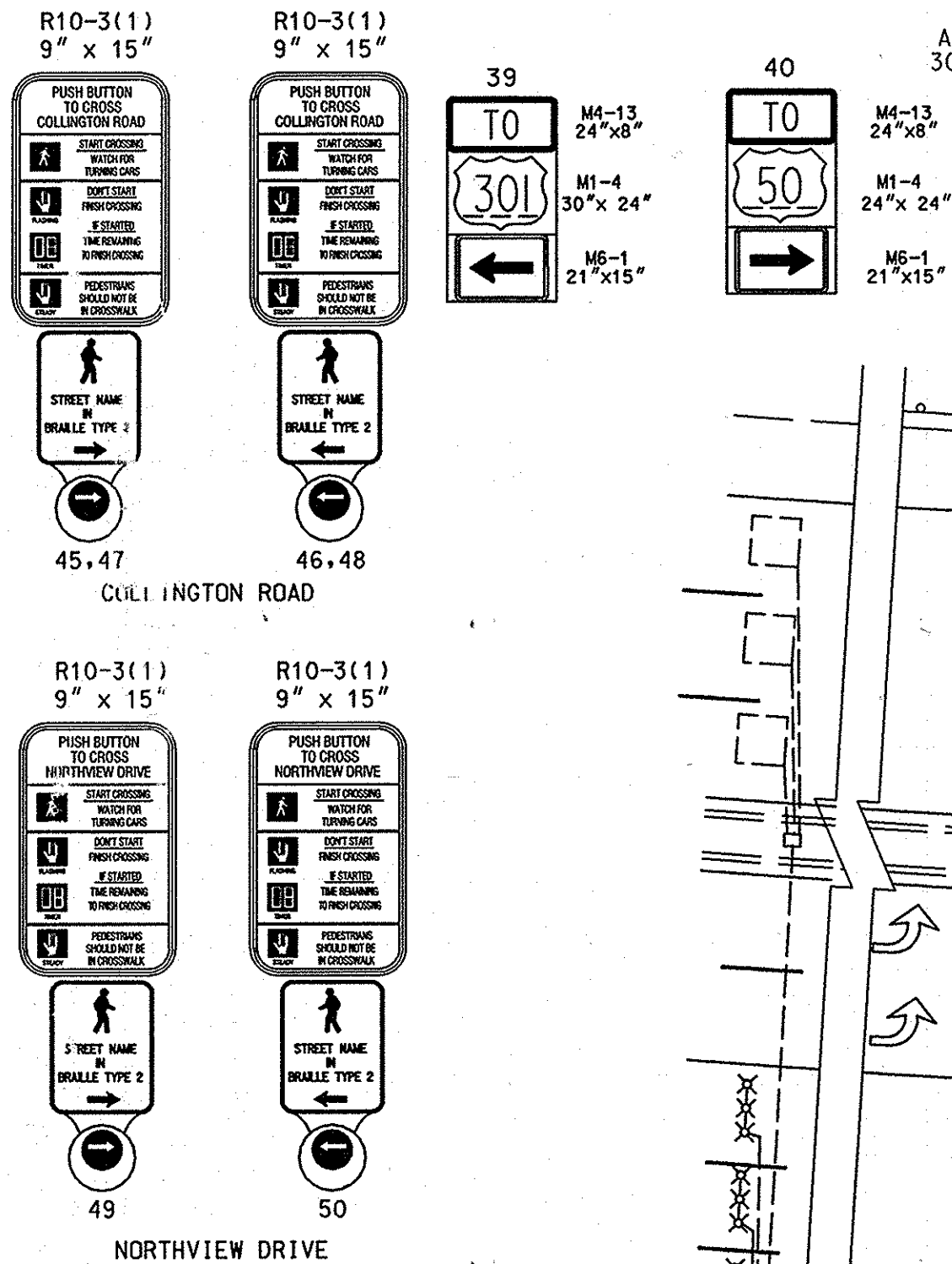
DRILL HOLES

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NOTE: MD 197 IS CONSIDERED TO RUN IN AN NORTH-SOUTH DIRECTION.

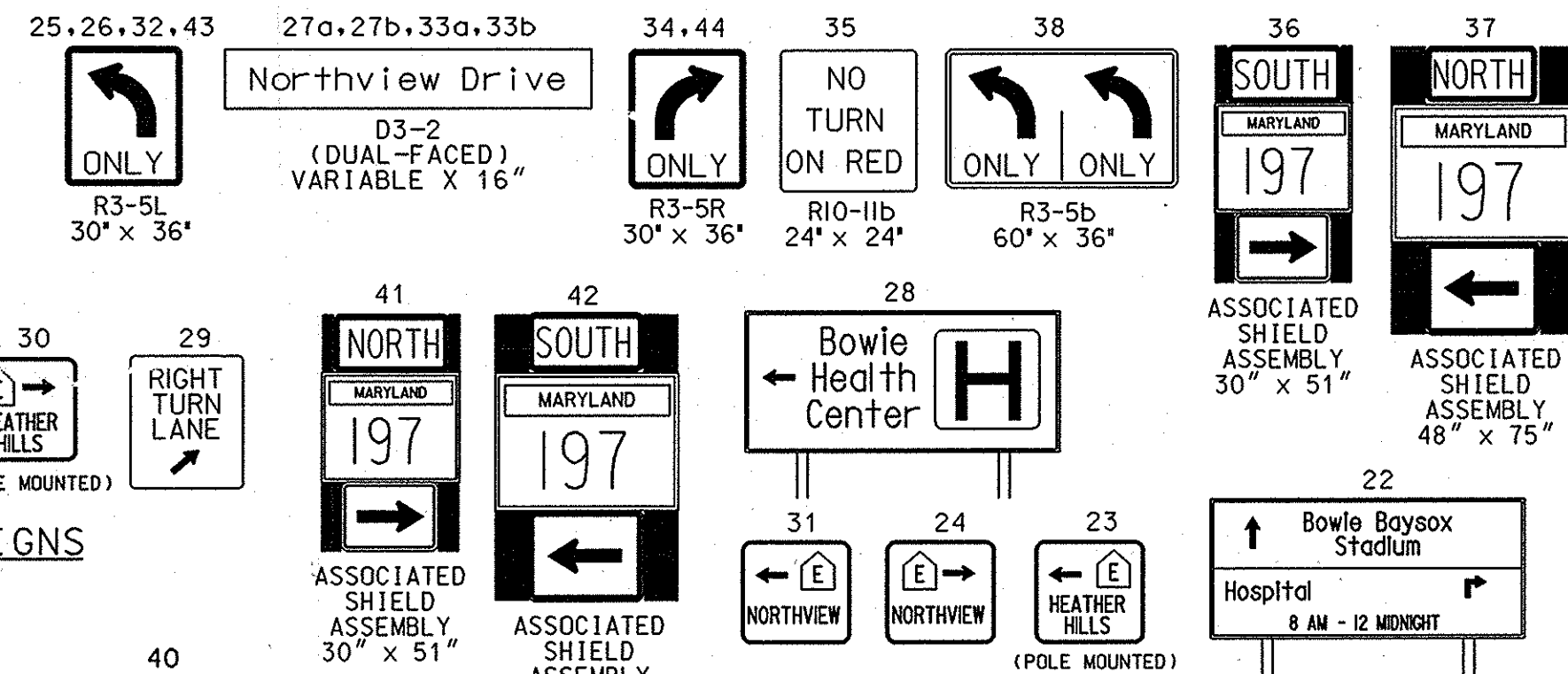
PROPOSED SIGNS



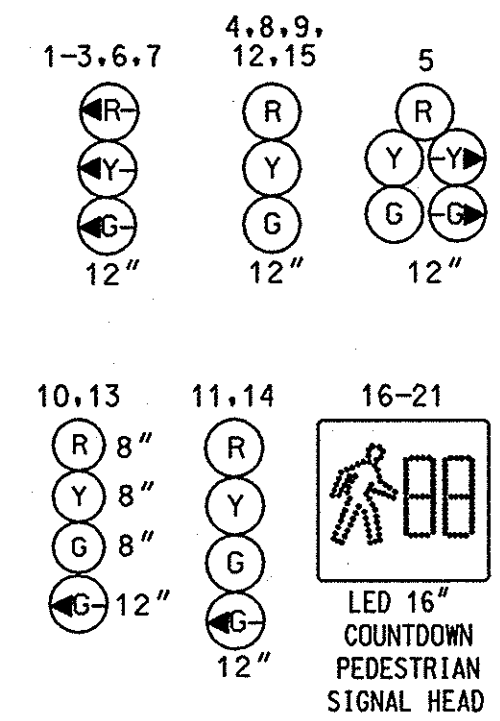
CONSTRUCTION DETAILS

- Install LED signal head as shown.
- Install 10' breakaway pedestal pole, Countdown pedestrian signal head, audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- Install 4" elbow into cabinet base. (Note: SHA Forces shall remove all 2-channel amplifiers from the base mounted cabinet and install (2) 4-channel detector racks, power supply, (3) 4-channel amplifiers and video interface into the cabinet.)
- Install handhole.
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- Remove existing guide signs and install new ground mounted guide sign on new wood post in same location.
- Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)
- Remove existing stopline and install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
- Remove existing pedestrian signals, pushbutton and pedestrian education sign from strain pole.
- Use existing handhole. Disconnect and abandon existing loops.
- Use existing handhole.
- Use existing conduit.
- Remove existing signal head and install LED signal head in same location as shown.
- Remove existing pavement markings (crosswalk)
- Install proposed parallel handicapped ramp (Std. No. MD 655.12) with detectable warning surface (Std. No. MD 655.40).
- Install proposed parallel handicapped ramp (Std. No. MD 655.13) with detectable warning surface (Std. No. MD 655.40).
- Remove existing pushbutton from pedestal pole as shown, replace existing signal head with LED signal head.
- Replace existing sidewalk as shown.
- Install proposed video detection camera on existing lighting arm as shown.
- Remove existing signal head.

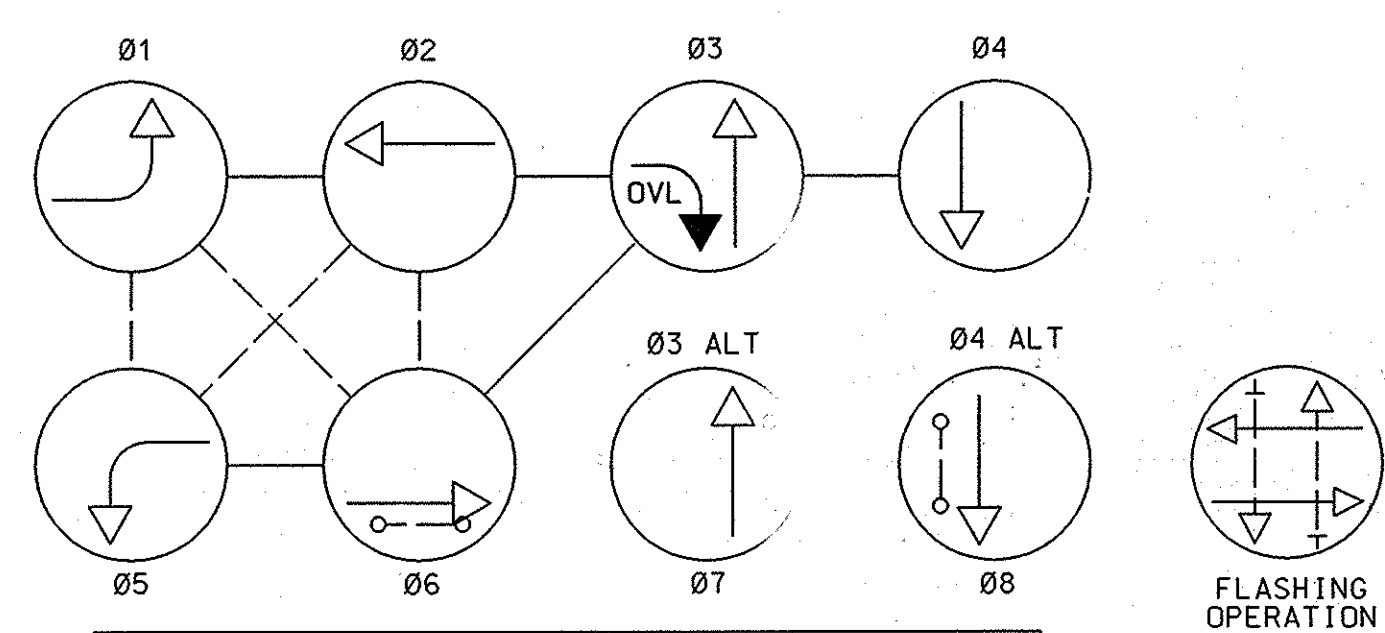
EXISTING SIGNS



PROPOSED LED SIGNALS



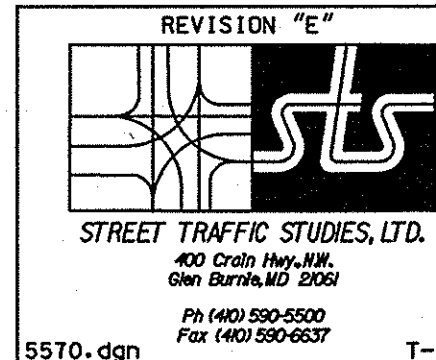
NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut-throughs.
- Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60" x 60" level landing area with a cross slope of less than or equal to 2%.
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
- Pushbutton arrows are to be parallel to the crossing for which they are intended.
- Location of Accessible Pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E-09 and Fig. 4E-2 and the NCHRP publication, Accessible Pedestrian Signals: Guide to Best Practices. If not met, the Contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the Director, Office of Traffic and Safety.
- The contractor shall remove all unused wiring.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 197 AND NORTHVIEW DRIVE

BOWIE, MARYLAND

APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN	
<div>ORIGINAL ON FILE</div>		8/8/08		SCALE 1" = 20' DATE 1/28/88 CONTRACT NO.	
		INSTALL APS, CPS AND LED SIGNAL HEADS		DESIGNED BY COUNTY PRINCE GEORGE'S	
		SHA NO. 1224445185		DRAWN BY D.J.FINGERLOS LOGMILE 16019701.22	
		J.W.A. 03/11/08		CHECKED BY H.A.BADGETT TMS NO. 1771	
TEAM LEADER		D. REPLACED DAMAGED S/O SAMPLING LOOPS & PHASE 06 BACK LOOPS & ADDED ASSOC. SHIELD ASSEMBLY SIGNS		F.A.P. NO. TOD NO.	
ASST. DIV. CHIEF		SHA NO. 1 AT3575185		TS NO. 2264E	
DIVISION CHIEF		W.N. M.A.R. D.A.Z. B.R.K.		DRAWING NO. 1 OF 2	
OFFICE DIRECTOR		C. ASSAULT		SHEET NO. OF	
		SHA NO. 1 BW956M2			
		R.M.D.			

PLOTTED: TUESDAY, SEPTEMBER 09, 2008 AT 9:02:58 AM
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